

## **Abstract for SRR**

### **Off Earth Resources (OER) – Shattering Paradigms and Creating Space Mining 2.0**

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Humanity's expansion into space critically depends upon the cost-effective availability of resources in space for fuel, for infrastructure and for human survivability. The use of Earth-launched resources beyond the very near term is both non sustainable and ultimately constrains space development.

OER is an Australian based resource development company aiming to develop and implement the first commercial in-space resource opportunity.

With extensive terrestrial resource development experience, and by thinking about space resources as “just resources”, OER is able to shift the paradigm to take advantage of terrestrial resource development insights, methodologies, disciplines, and techniques.

The terrestrial project development process includes: prospecting, exploration, trial mining and pilot plant processing to de-risk the technology for the specific circumstance, leading to eventual production from a full scale facility. At each step, the financial and technical risks are assessed before proceeding.

OER has developed the high-level business plan for a full scale production facility, focussing on the resources available in solar system small bodies, and is commencing the development of a bespoke resource evaluation module (REM). Its purpose is to collect information specifically for resource development decision making. We believe that this is a first of a kind, where the focus is directly on determination of feasibility of resource extraction compared to pure science.

This presentation will provide an overview of the Investment case, the OER Prospector mission and high level details of the REM.